All amounts are calculated in domestic currency.

Purchase Order Receipt Listing

Wednesday, August 30, 2017 3:26:52 PM

All Vendors PO ID PO37490 Receipt Dates from 8/29/2017 to 8/29/2017 All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

VI-TWYQUOH	Purchase Order ID/ Curr Type	Line Pr Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
M34TR0.500W.033 M394TR0.500W.033 M394TR0.500W.035 M394TR0.500W.035 M394TR0.500W.035 M394TR0.750W.049 M394TR0.750W.049 M394TR0.750W.049 M394TR0.750W.049 M394TR0.750W.049 M394TR0.750W.049 M394TR0.873 x f	'endo	r Name	VU-T	WM004 TW Metals	26			(
304 RD Tube 5500 x 100000 PLOU01 100000 PLOU01 1000000 1000000 1000000 1000000 10000000 1000000 1000000 100000000		1		M304TR0.500W.035	1	8/29/2017	8/29/2017	(40.0000)		0.0000	0	\$0.00
M38403 M304TR0.750W.049 DAS 829/2017 8/29/2017 8/29/2017 60,0000 0,00000 0,00000 0,00000 0,00000 0,00000 0,00000 0,0000		No No		304 RD Tube .500 x f <035W		40.0000	PLOU01			0.0000	0	
M304TR0.750W.049*T				m138403					,			
304 RD Tube .750 x f 9.89 60.0000 PLOU0I 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000		2		M304TR0.750W.049		8/29/2017	8/29/2017	00000.09		0.0000	0	\$0.00
M304TR0.875 w 065 f DAS 8/29/2017 8/29/2017 20,0000 0 0,00000 0 0,		°Z		304 RD Tube .750 x f .049W m138403		0000.09	PLOU01			0.0000	0	
304 round tube .875 x f 5 20.0000 PLOU01 0.0000 0 0.005w m.138403 M6061T6T0.750W.12 f DAS 8/29/2017 8/29/2017 24.0000 0.0000 0 0.0000 0 0.0000 0 0.0000 pLOU01 A6061-T6 RD Tube f 5 2.00000 PLOU01 24.0000 0.0000 0 0.0000 0 0.0000 pLOU01 A1401-45 8/29/2017 8/29/2017 8/29/2017 1.0000 pLOU01 0.0000 0 0.0000 pLOU01 CLAUSES m.138403 Total Received Quantity:		23		M304TR0.875W.065 f		8/29/2017	8/29/2017	20.0000		0.0000	0	\$0.00
M6061TGT0.750W.12 f DAS 8/29/2017 8/29/2017 24.0000 0.0000 0 5 6061-T6 RD Tube f 9-89 20.0000 PLOU01 0.0000 0 .750 x.125W m138403 8/29/2017 8/29/2017 8/29/2017 1.0000 PLOU01 0.0000 0 PROCUREMENT 1.0000 PLOU01 1.0000 PLOU01 0.0000 0 CLAUSES m138403 Total Received Quantity:		Š		304 round tube .875 x f .065w m138403		20.0000	PLOU01			0.0000	0	
6061-T6 RD Tube f 9-89 20.0000 PLOU01 0.0000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		4		M6061T6T0.750W.12 f 5	DAS	8/29/2017		24.0000	١	0.0000	0	\$0.00
71401-45 PROCUREMENT 1.0000 PLOU01 QUALITY CLAUSES m138403 Total Received Quantity:		No		6061-T6 RD Tube f .750 x .125W m138403	089	20.0000	PLOU01			0.0000	0	
PROCUREMENT 1.0000 PLOU01 0.0000 0 0 QUALITY CLAUSES m138403 Total Received Quantity:		5		71401-45		8/29/2017	8/29/2017	1.0000		0.0000	0	\$0.00
		o Z		PROCUREMENT QUALITY CLAUSES m138403		1.0000	PLOU01			0.0000	0	
										Total Received Q	uantity:	145.0000

0.0000 0.0000 \$0.00

Total Qty to Inspect (PO U/M):

Total Reject Quantity:

Total Receipt Value:

Total Balance Due Quantity:





Packing Slip

ORDER NO.: 80876281 FROM: CHIC

PAGE 1

SOLD TO: DART AEROSPACE LTD

CUST NUMBER: 1203820 NET WGT: 47.123 REO.DATE: 08/29/17 CONFIRMED

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

CN K6A 1K7

CANADA

TERMS: F.Q.B.:

HAWKESBURY ON

SALESPERSON: DONNA SMALLEY NET 30 DAYS

CN K6A 1K7

SHIPPING POINT

CUST ORD NO.: P037490

SHIP BY:

VIA: FREIGHT:

08/23/17 COMMON CARRIER

PREPAID

RELEASE NO.:

RECEIVING PHONE:

LINE ITEM DESCRIPTION

0001 36449 SMLS CD 304/L A269 1/2 OD X .035 WA

LENGTH 20 1/ ML

20' CT.

INVOICE QTY

SHIPPED QTY . 40.000 FT

CLN#

CLN#

ORD QTY 40.000 FT/ 40.000 FT

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

MLT CHINA

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00 PO:49363331 HT:YX1108592 PC: 2 CUSTOMER QTY: UOM MFG: CHINA

SLB/CL:-

0002 36860 SMLS CD 304/1 A269 3/4 OD X .049 WA

ORD QTY 60.000 FT INVOICE QTY 60.000 FT (

SHIPPED OTY 60.000 FT 22.003

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN; 2B999.q

PO: 49362750 HT: YX1606643

Export License: NLR Expiration Date: 0/00/00 06643 PC: 3 CUSTOMER QTY: UOM SLB/CL:-

0003 36969 SMLS CD 304/L/A269 7/8 X .065 WA

CLN#

MLT: CHINA

ORD OTY 20,000 FT \ INVOICE QTY 20.000 FT SHIPPED QTY 20.000 FT

WT 11.244



** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: 2B999.9 PO: 49361379(HT:161121W0) 5 PC: 1 CUSTOMER QTY:

MFG:CHIP#89

Exportation Date: 0/00/00

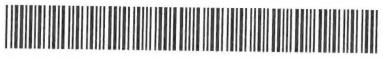
MOU

SLB/CL:-

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE THANK YOU FOR THIS ORDER PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL REVIEW.

http://www.twmetals.com/invoice-terms.html





Packing Slip

DART AEROSPACE LTD

1270 ABERDEEN ST

ORDER NO.: 80876281 FROM: CHIC PAGE 2

SOLD TO:

CUST NUMBER: 1203820 NET WGT: 47.123 REQ.DATE: 08/29/17 CONFIRMED

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA

CN K6A 1K7

CANADA

HAWKESBURY ON

SALESPERSON: DONNA SMALLEY

CN K6A 1K7

SHIP BY: VIA:

08/23/17

PREPAID

TERMS: F.O.B/:

NET 30 DAYS SHIPPING POINT CUST/ORD NO.: P037490

FREIGHT:

COMMON CARRIER

RELEASE NO.:

RECEIVING PHONE:

LINE ITEM DESCRIPTION 0004 42891 D6061-T6 3/4 OD X .125 WA

WIDTH

LENGTH

12 FT ML

CLN#

ORD QTY 24.000 FT

INVOICE QTY 24.000 FT

SHIPPED OTY /24.000 FT

WT 6.926 PCS

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED ** DAS

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00 PO: 49372373 HT, F00245200 991 PC: 2 CUSTOMER QTY:

MLT:UNITED STATES MFG:UNITED STATES SLB/CL:223652

UOM

BROKERS KUEHNE AND NAGEL LTD

AREA TYPE OF PKG

YRC REDDICRATE

----- PACK INFO --

PKGS GRS WEIGHT 1.000 97.000

WIDTH

LENGTH HGHT 20.5000

1.000 97.000

BY: LM RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED

DATE FILLED





Packing Slip

ORDER NO.: 80876281

FROM: CHIC

CUST NUMBER: 1203820 NET WGT:

SOLD TO:

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON

CANADA

CN K6A 1K7

47.123 REQ.DATE: 08/29/17 CONFIRMED

SHIP TO:

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKSBURY ON

ONTARIO CANADA CN K6A 1K7

SALESPERSON:

TERMS: F.O.B.:

CUST ORD NO .:

VIA:

FREIGHT:

RELEASE NO.:

RECEIVING PHONE:

DONNA SMALLEY NET 30 DAYS

SHIPPING POINT

P037490

COMMON CARRIER

PREPAID

SHIP BY:

CAROL STREAM

08/23/17 235 TUBEWAY

IL 60188

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk

Date:

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

PUFATM

MILL TEST REPORT

Purchaser.: TW MET	ALS-Carol S	tream			Certificate	No.: 2017-6-3				
Contract No.: TWM I	P.O.No.: M49	363331			Date of Issu	2017.6.12				
Commodity: Stainless	Steel Seaml	ess Tubes	Specifi	cations:	ASTM A213-	15c/ASME SA	213-	15/ASTM	A269-15a	EAW
Process: Cold Drawn				*	1	ondition: OD I				
Steel Grade	Heat	Number	Lot		Dimensi			(Quantity	
Sitter Grade	licat	Number	Numb	er	Dimensi	ons	1	Pieces	I	eet
TP304/TP304L	(YX1	108-592	3-93		(1/2"x0.035	"x20"		500	10	0,000
		Ch	emical (ompositi	on by Weigh	t (%)				
Element	C	Mn	P	S	Si	Cr		Ni	Mo	Co
Requirements	≤0.035	≤2.00	≤0.04	15 ≤0.0	30 ≤1.00	18.00-20.00	8.0	0-12.00	-	
Ladle Analysis	0.025	0.64	0.032	0.00	2 0.36	18.50		8.05	-	-
Product Analysis	0.024	0.63	0,035	0.002	2 0.35	18.79		8.04	-	-
			Me	chanical I	roperties					
Test Item	Elong	ation (% in 2	")	Ten	sile Strength Rm	(PSI)			trength (F	PSI)
Requirements		≥35			≥75,000				≥30,000	
Test Results		61/62			99,000/100,0	000		44,0	000/45,000	
Test Item		on of Area (%)	Har	rdness	Cold Bend Test	Flaring Test		ttening Test	Flange Test	P.M.I Test
Requirements		-	HR	B≤80	-	22%	e:	=0.09	-	-
Test Results			77	7/79	-	Passed	P	assed	-	OK
Test Item	Eddy Cu	irrent Test		derwater ure Test	Ultrasonic Test	Intergranul Corrosion T		Macro	scopic Ins	pection
Requirements	ASTN	A E 426		-		ASTM A26	2 E	End Cut	Appe	arance
Test Results	Pa	ssed			-	OK		OK	(OK

ISO 9001:2008 Certified by CAS 117 16 QU 0053-06 ROS

PED Certified by SZUTEST 2195-PED-1526002

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-14
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) In Compliance with RoHS Stipulation
- (7) No weld repair performed
- (8) Free from mercury contamination
- (9) Free from radioactive contamination
- (10) Billets melt and pipes/tubes manufactured in China
- (11) All tubes 100% PMI tested
- (12) All tubes 100% Eddy Current tested

CANNOT CERTIFY COMPLIANCE FAR BAA / DFARS BAA / FAR TAA



By:

James Ch.

James Shi / Manager

We hereby certify that this report is true and correct.

Quality Control Department

Jiangsu Pufa Stainless Steel Tube Co., Ltd.

No. 99, Xuean Middle Road, Dongchen Town, Rugao City, Jiangsu Province, P.R.China



MILL TEST REPORT

Purchaser.: TW MET	ALS-Carol S	tream			Certificate	No.: 2017-1-5	57			
Contract No.: TWM F	O.No.: M49	362750				ue.: 2017.1.11				
Commodity: Stainless	Steel Seaml	ess Tubes	Specifica	ations:		-1/5c/ASME SA	1213-15	/ASTM	A269-15	FAW
Process: Cold Drawn			1			ondition: OD				a DAW
Steel Grade	Heat	Number DA	Lot		Dimens	-			Quantity	
			Number	-	Dimens	10115	Pie	eces		Feet
TP304/TP304L	YXI	606-643	12-14	1	3/4"x0.049	9"x20'	3	00	6	,000
		Ch	emical Co	mpositi	on by Weigh	nt (%)				
Element	C	Mn	P	S	Si	Cr	1	Ni	Mo	Co
Requirements	≤0.035	≤2.00	≤0.045	≤0.0	30 ≤1.00	18.00-20.00	8.00-	12.00	-	-
Ladle Analysis	0.019	1.22	0.034	0.00	2 0.31	18.23	8.	09	-	-
Product Analysis	0.021	1.26	0.030	0.00	3 0.26	18.53	8.:	26	-	
			Mech	anical I	Properties					
Test Item	Elonga	ation (% in 2'			sile Strengtl	h (PSI)			trength (1p / 0.2%	PSI)
Requirements		≥35			≥75,000		≥30,000			
Test Results	Dadast	63/64			97,000/98,0	7			000/42,000)
Test Item		on of Area (%)	Hardi	iess	Cold Bend Test	Flaring Test	Flatte	_	Flange Test	P.M.I Test
Requirements		-	HRB<	≤80	-	22%	e=0.	.09	-	-
Test Results		-	76/7	8	-	Passed	Pass	sed	-	OK
Test Item	Eddy Cu	rrent Test	Air Unde Pressure		Ultrasonic Test	Intergranul Corrosion T	ar		scopic Ins	
Requirements	ASTM	E 426	-			ASTM A262		d Cut	Anne	arance
Test Results	Pas	sed	-		-	OK		OK)K

ISO 9001:2008 Certified by CAS 117 16 QU 0053-06 ROS

PED Certified by SZUTEST 2195-PED-1526002

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-14
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) In Compliance with RoHS Stipulation
- (7) No weld repair performed
- (8) Free from mercury contamination
- (9) Free from radioactive contamination
- (10) Billets melt and pipes/tubes manufactured in China
- (11) All tubes 100% PMI tested
- (12) All tubes 100% Eddy Current tested

CANNOT CERTIFY COMPLIANCE FAR BAA / DFARS BAA / FAR TAA





By:

James Shi / Manager

We hereby certify that this report is true and correct.

Quality Control Department

Jiangsu Pufa Stainless Steel Tube Co., Ltd.

No. 99, Xuean Middle Road, Dongchen Town, Rugao City, Jiangsu Province, P.R.China





JIAXING MT STAINLESS STEEL CO.,LTD

MILL TEST CERTIFICATE EN10204 3.1 CERTIFICATE

ISO 9001: 2008 TUV SUD CERT REGISTRATION No.: 01 100 095954 PED/97/23/CE EURO CERT CERTIFICATE NO.CN.CE.1110S1-02/14



				ren	1911231CE	EUKO CE	SKI CEKI	IFICA I E N	O:CN.CE.11	PED/9//23/CE EURO CERT CERTIFICATE NO:CN.CE.1110SI-02/14				
CERTIFICATE NO.: 17MTC-040401 SALES CONTRACT NO.: M 49361379 COMMODITY: STAINLESS STEEL SI SPECIFICATION: ASTM A213-15c AS	O.: 17MTC-04 CT NO.: M 493 TAINLESS STI ASTM A213-1	CERTIFICATE NO.: 17MTC-040401 SALES CONTRACT NO.: M 49361379 COMMODITY: STAINLESS STEEL SEAMLESS PIPE SPECIFICATION: ASTM A213-15c ASTM A269-15a, ASME SA213-15	IPE 5a, ASME S,		AVG WALL			PURCHASER:KASU ORDER:M 49361379 DATE OF REPORT:	PURCHASER:KASUGAI CO., LTD. ORDER:M 49361379 DATE OF REPORT: 201744	1 CO., LTD.				
				Di	Dimensions			Oua	Quantity		T-d	Macros	Macroscopic Inspection	ction
Steel Grade	He	Heat No. DAS	O.D.	W.T.		Length (FT)		FI	Piece	Process	Condition	End Cut	Appearance	rance
(TP304/3041.	1191	161121W0 9-89	(21/8)	0.065		20		086	49	Cold-Drawn	Cold-Drawn Annealed & Pickled	Passed	Passed	pes
					Che	Chemical Composition (W.T. %)	position (V	V.T. %)						
Element	C	Si	Mn	а	S	Cr	Z	Mo	Ti	1	1	t	t	ŧ
Requirements	≤0.035	€1.00	€2.00	≤0.045	≤0.030	18.0-20.0	8.0-12.0	ı	1	1	•	8	ı	ŧ
Ladle Analysis	0.02	0.37	1.33	0.035	0.001	18.25	8.04	1	1	ι	1		1	t
						Mechanic	Mechanical Properties	ies						
Test Item	Y.S. (MPa) Rn0.2	T.S. (MPa) Rm		EL. (%) In2in		Reduction	Reduction of Area Z. (%)	Hardness HRB	Cold Be	Cold Bend Test	Flaring Test	Flattening Test	ng Test	P.M.I. TEST
Requirements	≥170	≥485		>35		•		08≫	•		ı	e=0.09	60	1
Test Results	280	585		62		1		77	Pas	Passed	Passed	Passed	sed	Passed
		Non Dest	Non Destructive Tests	8		Remarks:								
Test Item		Eddy	Eddy Current Test			- ASTM AZ - PIPES TES - SOLUTION - NO WELD - PMI TESTII	- ASTM AZ13-13c ASTM AZ69-15a, - PIPES TESTED PER ASTM A1016 - SOLUTION HEAT TREATMENT: - NO WELD REPAIR WAS PERFOR, - PMI TESTING DONE ON EACH PI	- ASTM AZ13-15c ASTM AZ69-15a,ASME SAZ13-15 AVC - PIPES TESTED PER ASTM A1016 - SOLUTION HEAT TREATMENT: 1050°C X 1.5m/min - NO WELD REPAIR WAS PERFORMED PMI TESTING DONE ON EACH PIPE - SATISFACTORY	SO'C X 1.5m/n ED. SATISFAC	- ASTM AZ13-15c ASTM AZ69-15a, ASME SAZ13-15 AVG WALL - PIPES TESTED PER ASTM A1016 - SOLUTION HEAT TREATMENT: 1050°C X 1.5m/min - NO WELD REPAIR WAS PERFORMED PMI TESTING DONE ON EACH PIPE – SATISFACTORY	lare.	AT STATINLESS STEEL	THE THE PARTY OF T	
Requirements		AST	ASTM E 426			- IN COMPL - FREE FROI - MATERIAL	IANCE WITH M MERCURA	- IN COMPLIANCE WITH NACE MR0175/ISO 15156-2015 - FREE FROM MERCURY CONTAMINATION - MATERIAL IS FREE FROM RADIOACTIVITY	175/ISO 1515/ IATION	5-2015	,	O LO	AND THE REAL PROPERTY.	
Test Results		- A	Passed			- VISUAL CI - COUNTRY - COUNTRY	VISUAL CHECK IS SATISFACT - COUNTRY OF ORIGIN: CHINA - COUNTRY OF MELT: CHINA	- VISUAL CHECK IS SATISFACTORY - COUNTRY OF ORIGIN: CHINA - COUNTRY OF MELT: CHINA				7		
I. WE HERE BY CE RESULTS ARE IN (2. THE CERTIFICA' THE COMPANY.	ERTIFY THAT TI COMPLIANCE V TE SHALL NOT	I WE HERE BY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND THE TEST RESULTS ARE IN COMPLIANCE WITH THE TERMS OF THE PURCHASE ORDER OR CONTRACT 2. THE CERTIFICATE SHALL NOT BE REPROUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE COMPANY.	SCRIBED HEF OF THE PURC EXCEPT IN FI	LEIN HAS BEF CHASE ORDEI JLL, WITHOU	EN TESTED R OR CONT IT THE WR	AND THE T RACT ITTEN APPR		Prepared by:	5NA	Approved by:	in the state of th	T WA	MAY 25 17 P	

ACCEPTED BY



FABRICATED PRODUCTS



CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER, AZ 85226

CUSTOMER PO NUMBI	ER:	CUSTOME	R PART NUMBER:	PRODUCT DESCRIPTION	N:	
M49372373-1		42891		Drawn Seamless	Tube/Pipe	
KAISER ORDER NUMB	ER: LINE ITEM:		SHIP DATE:	KAISER LOT NUMBER:	ALLOY:	TEMPER:
223652	001		07/18/2017	F00245200	6061	T6)
WEIGHT SHIPPED:	QUANTITY:		B/L NUMBER:	DIAM/DAF/THKNS:	WIDTH:	LENGTH:
1334.000 LB	384.000	PCS	226090			12.000 FT
SHIP TO:				SOLD TO:		
TW METALS INC 235 WEST TUBE CAROL STREAM	WAY DRIVI			TW METALS INC 760 CONSTITUTI SUITE 204 EXTON, PA 1934	ON DRIVE	

Actual Physical Properties

REFERENCE DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00245200 0001	1	48.6	43.0	17.0	N/A	N/A	N/A
F00245200 0002	1	48.7	42.8	20.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

											-	-	FF - 4
LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D20408	.59							.01		.00	.00	.01	.02

Applicable Requirements:

Description: (OD: 0.7500"; Wall: 0.1250"; Round @ AMS4082P AMS-WW-T-700/6C ASTM B210-12 WW-T-700/6F WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS4082P, WAS NOT OILED. This Product Complies to FAR BAA, DFARS BAA, FAR TAA COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.



Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT SUPPLIES), DFARS BAA (DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5 TRADE AGREEMENTS).

Plant Serial: 00025588

Kaiser Order Number: 223652

Line Item: 001





CERTIFIED TEST REPORT

http://Online.KaiserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 6573 W. WILLIS ROAD CHANDLER, AZ 85226

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms &conditions of sale. Test reports are on file subject to examination.

Hans Kattentidt, Quality Manager

Plant Serial: 00025588 Kaiser Order Number: 223652

Line Item: 001

MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED:	41	2 2		THICKNES SHEET SI		-500
QUANTITY REJECTED:	- NIC			SHEET SIA	ZE RECEIVED.	
DESCRIPTION	(Ch Y)	CR eck (N)		С	OMMENTS	
SURFACE DAMAGE		(N)				
CORRECT FINISH	(Y)	N				
CORROSION	Y	(1)				
CORRECT GRAIN DIRECTION	(8)	N	15 85 1	1012		
CORRECT MATERIAL PER M-DRAWING	(0)	N	ASTM	Ads		
CORRECT THICKNESS	(8)	N				
PHOTO REQUIRED	X	(N)	1120	-11 177	10000	7
CORRECT REF # TO LINK CERT	(2)	N	HEAL	IF YX	10859	
DRRECT MATERIAL IDENTFICATION		N	- 213 811	N 3		
CORRECT M# ON THE MATERIAL	(8)	N	M1384	05		
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	G				
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	R				
CUT SAMPLE PIEC	É OF	MA ^T	TERIAL AND F	PREFORM A	HARDNESS C	HECK.
			HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL						
SIZE OF TEST SAMPLE			-			
HARDNESS / DUROMETER REA	ADIN	G				

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	and	SIGNED OFF BY:
DATE:	17/08/30	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

SPECIFICATION: PURCHASE MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING

8

ASTM A213 OR ASME SA213 OR ASTM A269 WALL THICKNESS TOLERANCE PER ASTM A269 AS FOLLOWS:

OD (IN)
UP TO 1/4, EXCL.
1/4 TO 1/4, EXCL.
1/4 TO 5/4, EXCL.
5/4 TO 8, EXCL.

PERMISSABLE PERMISSABLE

OD TOL (IN)

WALL TOL

40.005

±10%

CL

±0.005

±10%

XCL

±0.010

±10%

XCL

±0.030

±10%

XCL

±0.030

±10%

EG. 0.375" OD X 0.065" WALL TUBING = M304TR0.375W.065 WHERE "D.DDD" = OUTSIDE DIAMETER IN INCHES AND ".TTT" = WALL THICKNESS IN INCHES PART NUMBER:

M304TR D.DDD W. TTT

,500× ,035W

CHECKED DRAWN DESIGN B REFORMAT DWG, ADD SPECS (ZN D8-1), REF PAR 08-020A NEW ISSUE 08.10.20 DRAWING NO SH 304/316 ROUND TUBING DART AEROSPACE LTD BY DS CO SHEET 1 OF 01 06 08 DATE 08 10 20

SCALE REV B

Ç.)

0

U

PO / BATCH NO .: pc 37490/138403

MATERIAL: <u>M304†</u> DATE: AUG	3 1 2	750 1017	W.049		PO / BATCH	NO::p0370	190/M138403
MATERIAL CERT REC'D:	4	5			CKNESS ORDEF		
QUANTITY RECEIVED:				THI	CKNESS RECEIV	/ED:h	1.046
QUANTITY INSPECTED: 60				SHE	ET SIZE ORDEF	RED:	1/4
QUANTITY REJECTED:	Ø			SHE	ET SIZE RECEIV	/ED:/(
DESCRIPTION	1	CR eck			COMMENT	rs	
	Ι'.	N)					
SURFACE DAMAGE	Y	M					
CORRECT FINISH	X	N					
CORROSION	Y	0					
CORRECT GRAIN DIRECTION	Q	N					
CORRECT MATERIAL PER M-DRAWING	W	N	Astm	A213			
CORRECT THICKNESS	V	N					
PHOTO REQUIRED	Y	(N)					
CORRECT REF # TO LINK CERT	(Y)	N	114 #	XXICC	36643		
CORRECT MATERIAL IDENTFICATION		N					
CORRECT M# ON THE MATERIAL	(K),	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N					
CUT SAMPLE PIEC		REC	ORD RESU	LTS BELO	W		
			HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL							
SIZE OF TEST SAMPLE	NIC	-			-		
HARDNESS / DUROMETER READI			located in th	- Overliby Off	llas		
	<u>te</u>	151613	nocated in th	e Quanty On	156		
QC 18 INSPECTION					ENGINEER	ING SIGNO	FF (if required)
INSPECTED BY:		DA		SIG	ENED OFF BY:		
DATE: AUG 3 1	2017	9-6	30		DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV. B SCALE NTS SHEET 1 OF 1 01.06.08 08 10 20 DART AEROSPACE LTD
HAWKESBURY ONTARIO CANADA
DRAWING NO
M304TR
SHEE 8 S 8 304/316 ROUND TUBING B REFORMAT DWG. ADD SPECS (ZN D8-1). NOT TO SEE USED FOR DATE 08.10.20 NEW ISSUE DRAWN CHECKED MFG APPR. APPROVED DESIGN REV.

SPECIFICATION CONTROL DRAWING

Δ

O

PURCHASE MATERIAL: ALSI-394/246 SS SEAMLESS ROUND TUBING ASTM A213 OR ASME SA213 OR ASTM A269 SPECIFICATION:

(2)

548 9-89

PART NUMBER:

U

M304TR D.DDD W.TTT OD WALL

WHERE "D. DDD" = OUTSIDE DIAMETER IN INCHES AND ".TTT" = WALL THICKNESS IN INCHES

EG. 0.375" OD X 0.065" WALL TUBING = M304TR0.375W.065

MATERIAL CERT REC'D: QUANTITY RECEIVED: 20' QUANTITY INSPECTED: 20' QUANTITY REJECTED:	4	X						
	0			TH SH	ICKNESS OR ICKNESS RE EET SIZE OR EET SIZE RE	CEIVED:	W	.068
DESCRIPTION (6	NC Che Y/N	ck			СОММІ	ENTS		
SURFACE DAMAGE	Υ	N.						
CORRECT FINISH	Y	N						
CORROSION	Y	N						
CORRECT GRAIN DIRECTION	Q	N						
	Ă,	N	AStr	A213				
CORRECT THICKNESS	Y,	N						
		N						
CORRECT REF # TO LINK CERT	Y	N	H+ #	161/2/1	VO)			
CORRECT MATERIAL IDENTFICATION	4)	N						
CORRECT M# ON THE MATERIAL (Y	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)						
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N)						
CUT SAMPLE PIECE (-			ND PREFO		NESS CHE	ECK.	
			HRC HES	HRB	DUR A	DUF	3 D	WEBSTER
TYPE OF MATERIAL	-		11110	THILD	DONA	501		**EDOTEN
SIZE OF TEST SAMPLE	H				+			
HARDNESS / DUROMETER READING	a F							
"		tere	located in t	he Quality Of	fice			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY:

DATE:

DAS

9-80G 3 1 2017

QC 18 INSPECTION

INSPECTED BY:

DATE:

۵ REV. B SCALE STM SHEET 1 OF 1 08.10.20 01.06.08 DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M304TR
SHEI COPYRIGHT © 2001 BY DART AEROSPACE LTD 9 80 304/316 ROUND TUBING B REFORMAT DWG, ADD SPECS (ZN D8-1). THIS DOCUMENT IS PUBLICATION TO THE LEAST FOR DESCRIPTION DATE 08.10.20 NEW ISSUE DRAWN CHECKED MFG. APPR. APPROVED DESIGN REV. SPECIFICATION CONTROL DRAWING WALL THICKNESS TOLERANCE PER ASTM A269 AS FOLLOWS:

OD (IN)

OD (IN)

OD 101, (IN)

OD 102, (IN)

A01, EXCL.

40.005

1106, 4106, 4106, 4106, 4108, 41 EG. 0.375" OD X 0.065" WALL TUBING = M304TR0.375W.065 WHERE "D. DDD" = OUTSIDE DIAMETER IN INCHES AND ". TTT" = WALL THICKNESS IN INCHES PURCHASE MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING ASTM A213 OR ASME SA213 OR ASTM A269 M304TR|D.DDD|W|.TTT PART NUMBER: **@** O ۵

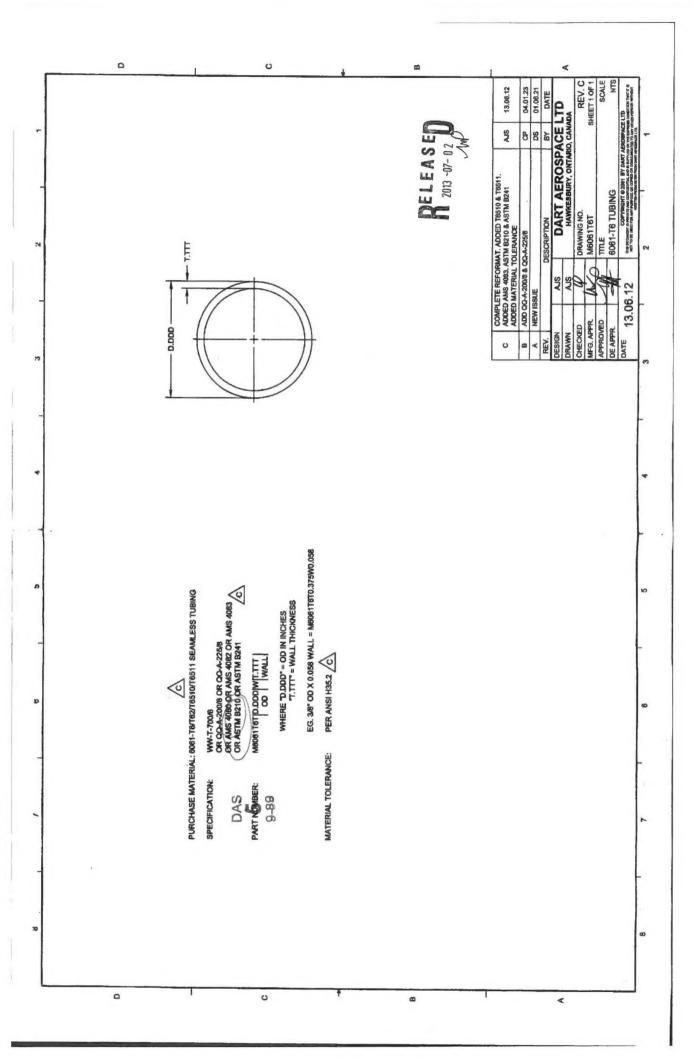
MATERIAL: MCOCIT DATE: AUG					PO / BA	тсн ио.: р	37440/M138403
MATERIAL CERT REC'D: QUANTITY RECEIVED: 24 QUANTITY INSPECTED: QUANTITY REJECTED:	8	5		THIC	CKNESS RE	RDERED: ECEIVED: RDERED: ECEIVED:	00117
DESCRIPTION	(Ch	CR leck (N)		,	COMM	ENTS	
SURFACE DAMAGE	Υ	(N)					
CORRECT FINISH	Y	N					
CORROSION	Y	(1)					
CORRECT GRAIN DIRECTION	N.	N					
CORRECT MATERIAL PER M-DRAWING	Y	N	Astm	B210			
CORRECT THICKNESS	V	N					
PHOTO REQUIRED	Y	N					
CORRECT REF # TO LINK CERT	(Y)	N	1++ #	FCC 24	5200		
CORRECT MATERIAL IDENTFICATION	V	N					
CORRECT M# ON THE MATERIAL	Y	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	Z					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ						
CUT SAMPLE PIECE			TERIAL AN			NESS CH	ECK.

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW								
TYPE OF MATERIAL SIZE OF TEST SAMPLE	HRC	HRB	DUR A	DUR D	WEBSTER			
HARDNESS / DUROMETER READING								

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:		SIGNED OFF BY:
DATE:	AUG 3 1 2017	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in





Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO37490

Purchase Order Date 8/21/2017 PO Print Date 8/21/2017

Page Number 1 of 3

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014 US

VU-TWM001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA



Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

585 768 5600

YRC COLLECT

Buyer

Chantal Lavoie

Customer POID

Customer Tax#

10127-2607 Net 30

Terms Currency

USD

FOB

FCA - (Free Carrier)

Ship Via: Ship Acct:

Line Nbr	Vendor Part Number	Description/ Mfg ID	Req Date/ CD Taxable	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
Line Comments Delivery Comments		Promise Date				
1	M304TR0.500W.035	304 RD Tube .500 x .035	sw 8/29/2017	40.00	\$1.50	\$60.00
			Yes	f		
			8/29/2017			

MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING AS PER ASTM A213 OR AMSE SA213 OR ASTM A269

M304TR0.750W.049

304 RD Tube .750 x .049W

8/29/2017 Yes 60.00

DA8-3C

Line Total:

\$2.10

\$60.00

\$126.00

8/29/2017

MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING AS PER ASTM A213 OR AMSE SA213 OR ASTM A269

Line Total:

\$126.00

Note:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Tel: 613 632 9577

Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO37490

Purchase Order Date 8/21/2017 PO Print Date 8/21/2017

Page Number 2 of 3

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014 US

VU-TWM001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

585 768 5600

Ship To Contact

Ship To Phone

Ship Via:

3

YRC COLLECT

Ship Acet:

M304TR0.875W.065

304 round tube .875 x

8/29/2017

Yes

8/29/2017

Buyer Chantal Lavoie

Customer POID

Customer Tax # 10127-2607 Terms Net 30 USD Currency

FOB FCA - (Free Carrier)

20.00

f

20.00

\$4.20

\$84.00

MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING AS PER ASTM A213 OR AMSE SA213 OR ASTM A269

M6061T6T0.750W.125

6061-T6 RD Tube .750 x .125W

8/29/2017

Yes

8/29/2017

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241

Line Total:

\$84.00

\$9.20

\$184.00

rocu zu ft Line Total:

\$184.00

Note:



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO37490

Purchase Order Date 8/21/2017 PO Print Date 8/21/2017

Page Number 3 of 3

Order From:

TW METALS PO BOX 933014 ALTANTA, GA 31193-3014

US

VU-TWM001

DART AEROSPACE LTD Ship To:

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7

CANADA

Contact Name

Vendor Phone

585 768 5600

Ship To Contact

Ship To Phone

Ship Via:

YRC COLLECT

Ship Acct:

71401-45

PROCUREMENT QUALITY CLAUSES

8/29/2017

No

8/29/2017

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

Chantal Lavoie Buyer

Customer POID

Customer Tax # Terms

Currency

FOB

10127-2607 Net 30 USD

FCA - (Free Carrier)

RY781.30

1.00

\$0.00

\$0.00

Line Total:

\$0.00

PO Total:

\$454.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.